

The brands of the BPW Group:

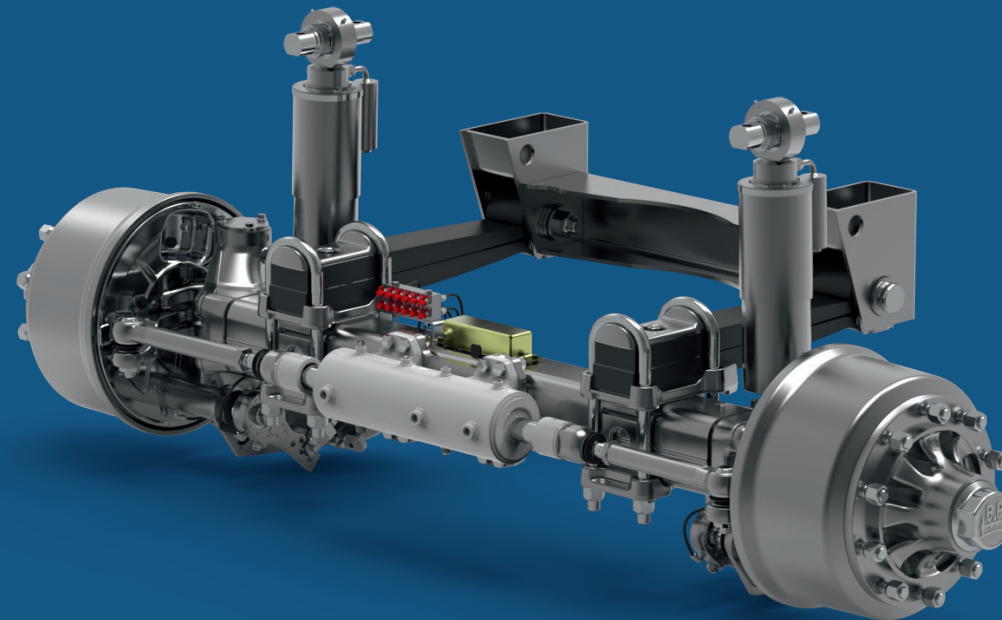


we think transport



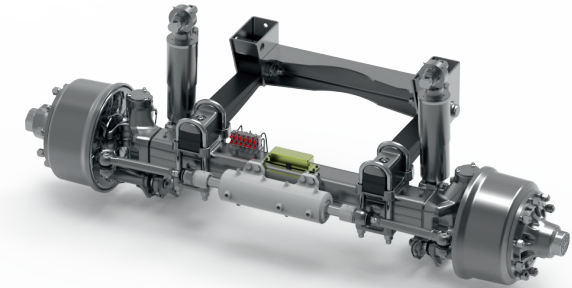
BPW AGRO Hub 2.0

YOU LOAD IT.
WE MEASURE IT.

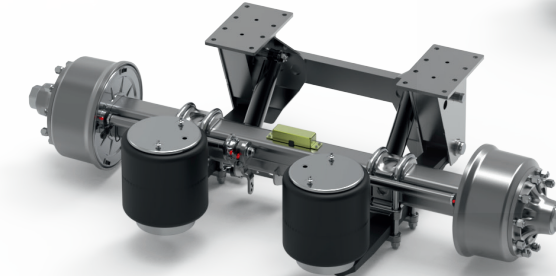


POSSIBLE WITH THE FOLLOWING SUSPENSION OPTIONS

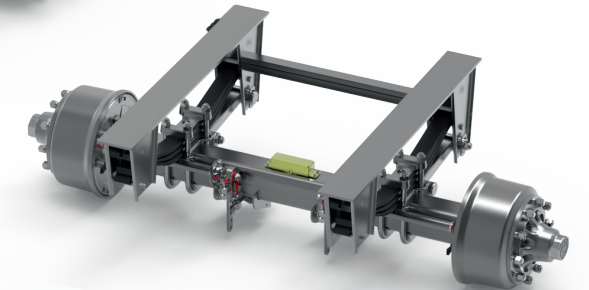
HYDRO-PNEUMATIC SUSPENSION



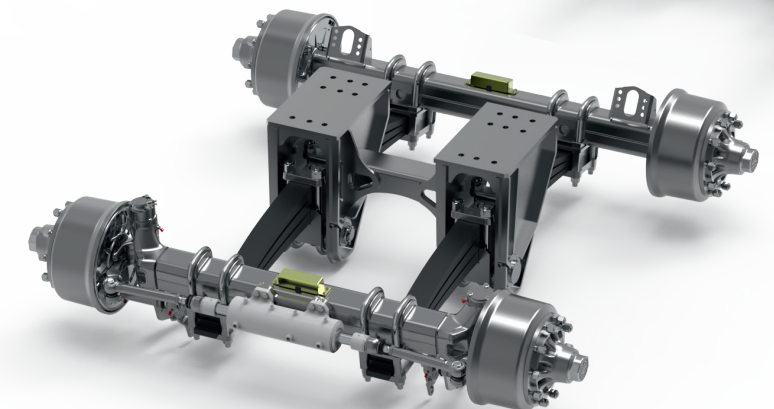
AIR SUSPENSION



MECHANICAL SUSPENSION



BOGIE SUSPENSION



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READY! STEADY! MEASURE!

What inspired AGRO Hub 2.0?

Meeting customer needs is a top priority at BPW Agrar. Therefore, we have improved AGRO Hub to deliver more precise measurement results. Accurate engineering resulted in the creation of AGRO HUB 2.0.

Our goal was also to improve our axles to communicate even better with the driver, to provide accurate data about the trailer like more easily data on the total mileage and the daily mileage.

AGRO Hub 2.0 is a unique weighing system on the agricultural market, estimating axle loads with an accuracy of +/- 3%.

INTELLIGENT FUNCTIONS

- Dynamical weight measurement
- ISOBUS communication
- Updated wireless communication with Android App free of charge (IOS planned)
- Updated communication and measuring accuracy
- Milages, average speed, current speed measured

KEY APPLICATION AREAS

- Field transfer trailers
- Tipper
- Manure spreaders
- Slurry tankers
- Field sprayers



The axle load sensor developed especially for BPW axles is characterised by a very high reliability and measuring accuracy



Optimum operating costs by monitoring of the total weight, payload and mileage



Stable signal under extreme temperature fluctuations

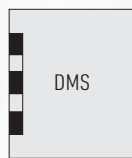
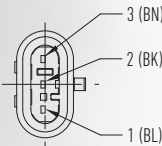


More accurate dynamical total weight measurement

Measuring amplifier



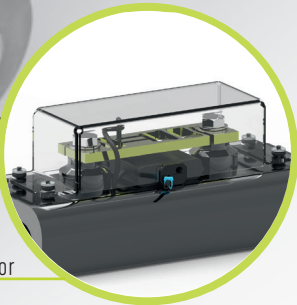
Controller



TECHNICAL DATA

Operating voltage	8–30 VDC
Output current	4–20 mA
Intrinsic current consumption	< 10 mA
Temperature range	-40— +70 °C
EMC durability	according to EN ISO 14982:1998
Protection class	IP 67 according to DIN EN 60529
Type of connection	3-pin AMP Superseal

Axle load sensor



SDS sensor



BENEFITS FOR THE END USERS

- Cost savings by optimizing field works
- Increased efficiency in operations
- Easy communication via ISOBUS, Android
- Long service life for the weighing system because the axle load sensor is non-load carrying element
- Possibility of trailer diagnostics on mobile devices, even without any additional control units
- Easy access to the total mileage and the daily mileage

BENEFITS FOR VEHICLE MANUFACTURERS

- Unique load measuring system on the agricultural market with an accuracy of +/- 3%
- Control panel customization possible
- Tool for precision farming
- Developed with BPW axles for the highest reliability
- Available with various suspension systems
- Simple mechanical integration via ISOBUS/CAN bus, saving of resources
- Simple installation and calibration with Android app
- **Extension / addition of ISOBUS vehicle functions**
- Possibility of data sharing
- Possibility of manufacturer specific UI and intergration with existing control features
- **The easiest way to make a trailer without it's own electronic system smart**

PRODUCT MATRIX

Axle cross-section Axle type	Axle load	120x10	120x15	150x10	150x16	150x20
GS(LA) 11000	10-11 t	✓	✓	x	x	x
GS(LA) 12000	12-13 t	x	x	✓	✓	x
GS(LA) 14000	14-15 t	x	x	x	✓	✓

PACKAGE

Vehicle	Number of axle load sensors	Number of SDS	Number of hubs	Number of measuring amplifiers	Cable set	Necessary measuring towing eyes (pcs.) (not in BPW scope of supply)
Single axle	2	2	1	1	Cable set 1	1
Tandem	2	2	1	1	Cable set 1	1
Tridem	4	2	1	1	Cable set 2	1